LIST

OF

ESSENTIAL OILS

ORGANIC AND SYNTHETIC PRODUCTS

PRESENTED

TO THE

MUSEUM OF THE PHARMACEUTICAL SOCIETY

OF GREAT BRITAIN

17, BLOOMSBURY SQUARE, LONDON W.C.

ВУ

SCHIMMEL & Co., LEIPZIG.



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W. Llogd Williams. July 1893.

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By far the greater number of the Essential Oils in this collection have been distilled by ourselves. Foreign Oils, of the best and purest quality obtainable, have been added for the sake of completeness.

In stating their composition we have confined ourselves to those parts, which up to the present have been ascertained and isolated.

The chemical preparations are without exception our own products.

LEIPZIG, March 1893.

SCHIMMEL & Cº

I. Essential

Name of Oil	Part of Plant	Botanical Origin
Oil of Abelmoschus	Seed	Hibiscus Abelmoschus L
Oil of Ajowan	Seed	Ptychotis Ajovan D&C
Oil of Bitter Almonds	Fruit	Persica vulgaris Mill.
Oil of Amber	Amber	
Oil of Angelica Root	Root	Archangelica officinalis Hoffm.
Oil of Angelica Seed	Seed	Archangelica officinalis Hoffm.
Oil of Angostura Bark	Bark	Galipea Cusparia St. Hilaire
Oil of Aniseed	Seed	Pimpinella Anisum L

Oils.

Natural Order	Principal Constituents
Malvaceae	
Umbelliferae	Thymol, Cymol.
Amygdalaceae	Benzaldehyde, Prussic Acid.
Umbelliferae	Phellandrene.
Umbelliferae	Phellandrene.
Rutaceae	
Umbelliferae	Anethol.

Name of Oil	Part of Plant	Botanical Origin
Oil of Arnica Root	Root	Arnica montana L
Oil of Asafetida	Gum resin	Ferula Asa foetida L
Oil of Asarum	Root	Asarum Europaeum L
Oil of Balsam Capivi	Balsam	Copaivera spcc.
Oil of Balsam Tolu	Balsam	Myroxilon Toluifera Huntl
Oil of Basil	Leaves	Ocymum Basilicum
Oil of Bay	Leaves	Myrcia acris D & C
Oil of Beechtar	Tar	Fagus sylvatica L
Oil of Bergamot	Green Peels	Citrus Bergamia var. vulgaris R & P
Oil of Betel Leaves	Leaves	Piper Betle L

Natural Order	Principal Constituents
Compositae	Phloryl isobutyrate, dimethyl ether of thymo-hydroquinone.
Jmbelliferae	Several sulphurous compounds, Sesquiterpenes.
Aristolochiaceae	Pinene, Asaron, Methyl Ether of Eugenol.
Caesalpiniaceae	
Papiliona ceae ·	
Labiatae	
Myrtaceae	Pinene, Dipentene (?), Eugenol, Methyl Ether of Eugenol.
Cupuliferae	Aromatic Hydrocarbons, Phenols and their Ethers.
Aurantiaceae	Limonene, Linalool, Acetate of Linalool, Berg-aptene.
Piperaceae	Betelphenol, Sesquiterpene.

Name of Oil	Part of Plant	Botanical Origin
Oil of Birchtar	Tar	Betula alba L
Oil of Boldo Leaves	Leaves	Boldoa fragrans R & B
Oil of Büchu Leaves	Leaves	Barosma betulina Bartling
Oil of Cajeput	Leaves	Melaleuca Leucadendron L
Oil of Calamus	Root	Acorus calamus L
Oil of Camphor	Wood and twigs	Laurus camphora L
Oil of Cananga	Flowers	Canauga odorata
Oil of Canella Bark	Bark	Canella alba
Oil of Carawayseed	Seed	Carum carvi L
Oil of Cardamoms	Fruit	Elettaria cardamonium

Natural Order	Principal Constituents
Betulaceae	Guajacol, Kreosol, Kresol, Xylenol.
Monimiaceae	
Diosmaceae	Diosphenol.
Myrtaceae	Cineol, Terpineol.
Araceae	
Lauraceae	Pinene, Phellandrene, Cineol, Dipentene, Terpineol (?), Safrol, Eugenol, Sesquiterpene.
Anonaceae	
Lauraceae	Cineol, Eugenol.
Umbelliferae	Limonene, Carvol.
Zingiberaceae	Terpinene, Dipentene (?), Terpineol (?).

Name of Oil	Part of Plant	Botanical Origin
Oil of Carline thistle	Root	Carlina acanlis L
Oil of Carrot Seed	Fruit	Dancus Carota L
Oil of Cascarilla Bark	Bark	Croton Eluteria Bennet
Oil of Cassia	Twigs and Leaves	Cinnamomum spec.
Oil of Cedar	Leaves	Juniperus Virginiana L
Oil of Cedar Wood	Wood	Juniperus Virginiana L
Oil of Celery	Fruit	Apium graveolens L
Oil of Chamomiles German	Flowers	Matricaria chamomilla L
Oil of Chamomiles Roman	Flowers	Anthemis nobilis L
Oil of Chenopodium Leaves	Leaves	Chenopodium ambrosoides L

Natural Order	Principal Constituents
Compositae	
Umbelliferae	Pinene.
Euphorbiaceae	
Lauraceae	Cinnamic Aldehyde, Acetate of Cinnamyl.
Cupressineae	
Cupressineae	Sesquiterpene.
Umbelliferae	Phellandrene.
Compositae	
Compositae	Isobutylic Ethers, Angelicate of isobutyl, Angelicate of isoamyl, Tiglinate of isoamyl, Tiglinate of Hexyl, Anthemol.
Chenopodiaceae	

Name of Oil	Part of Plant	Botanical Origin
Oil of Chenopodium Seed	Seed	Chenopodium anthelmintic.
Oil of Cherry Laurel	Leaves	Prunus laurocerasus L
Oil of Cinnamon, Ceylon	Bark	Cinnamomum zeylanicum Breyne
Oil of Cinnamon Leaves	Leaves	Cinnamomum zeylanicum Breyne
Oil of Citronella	Leaves and stems	Andropogon Nardus L
Oil of Cloves	Flowerbuds	Caryophyllus aromaticus L
Oil of Coriander Seed	Seed	Coriandrum sativum L
Oil of Cubebs	Fruit	Piper Cubeba L
Oil of Culilawan	Bark	Laurns Culilaban L
Oil of Cumin Seed	Seed	Cuminum Cyminum L

Natural Order	Principal Constituents
Chenopodiaceae	
Amygdalaceae	Benzaldehyde, Prussic Acid.
Lauraceae	Cinnamic Aldehyde, Eugenol, Phellandrene.
Lauraceae	Eugenol.
Gramineae	Citronellon, Geraniol.
Myrtaceae	Eugenol, Sesquiterpene.
Umbelliferae	Coriandrol.
Piperaceae	Cubeb Camphor, Sesquiterpene.
Lauraceae	Eugenol.
Umbelliferae	Cymol, Cumin Aldehyde.

Name of Oil	Part of Plant	Botanical Origin
Oil of Damiana Leaves	Leaves	Turnera microphylla D&C
Oil of Dilem	Leaves	?
Oil of Dill Seed	Seed	Aucthum graveolens 1.
Oil of Elecampane	Root	Inula Helenium L
Oil of Elemi	Resin	Icica spec.
Oil of Erigeron	Herb	Erigeron canadensis L
Oil of Eucalyptus	Leaves	Eucalyptus Bailcyana
Oil of Eucalyptus	Leaves	Eucalyptus citriodora
Oil of Eucalyptus	Leaves	Eucalyptus dealbata
Oil of Eucalyptus	Leaves	Eucalyptus globulus L

Natural Order	Principal Constituents
Turneraceae	
Umbelliferae	Limonene, Carvol.
Compositae	Alantic Acid, Helenin.
Burseraceae	Phellandrene, Dipentene.
Compositae	Limonene.
Myrtaceae	Cineol.
Myrtaceae	Citral.
Myrtaceae	Citronellon, Geraniol (?).
Myrtaceae	Pinene, Cineol.

Name of Oil	Part of Plant	Botanical Origin
Oil of Eucalyptus	Leaves	Eucalyptus maculata
Oil of Eucalyptus	Leaves	Eucalyptus rostrata
Oil of Fennel Seed	Seed	Foeniculum vulgare Gärtner
Oil of Galangal Root	Root	Alpinia Galanga Willd.
Oil of Galbanum	Gum-resin	Ferula galbaniflua Boiss. & Buhse
Oil of Garlic	Bulbs	Allium sativum L
Oil of Geranium French	Leaves	Pelargonium spec.
Oil of Geranium, Indian	Leaves	Andropogon Schoenanthus L
Oil of Ginger	Root	Zingiber officinale Roscoe
Oil of Guajac Wood	Wood	?

Natural Order	Principal Constituents
Myrtaceae	Citronellon, Geraniol (?).
Myrtaceae	Cineol.
Umbelliferae	Pinene, Dipentene, Fenchon, Anethol.
Zingiberaceae	Cineol.
Umbelliferae	Sesquiterpene.
Liliaceae	Disulphides $C_6H_{10}S_2$ and $C_6H_{12}S_2$.
Geraniaceae	Geraniol.
Gramineac	Geraniol.
Zingiberaceae	
?	?

Name of Oil	Part of Plant	Botanical Origin
Oil of Heracleum	Fruit	Heracleum Sphondylium L
Oil of Hops	Strobiles	Humulus Lupulus L
Oil of Horsemint	Leaves	Monarda punctata
Oil of Hyssop	Leaves	Hyssopus officinale L
Oil of Jaboranda Leaves	Leaves	Pilocarpus pennatifolius Lemaire
Oil of Juniper Berries	Fruit	Juniperus communis L
Oil of Iva	Leaves	Achillea moschata
Oil of Kuro-moji	Wood	Lindera sericea
Oil of Laurel, Cali- fornian	Leaves	Umbellularia Californica
Oil of Laurel Leaves	Leaves	Laurus nobilis L

Natural Order	Principal Constituents
Umbelliferae	Acetate of Octyl, Butyrate of Hexyl.
Urticaceae	
Labiatae	Thymol.
Labiatae	
Rutaceae	
Cupressineae	Pinene, Sesquiterpene.
Compositae	
Lauraceae	Limonene, Dipentene, Terpineol, Carvol.
Lauraceae	
Lauraceae	Pinene, Cineol.

Name of Oil	Part of Plant	Botanical Origin
Oil of Lavender	Flowers	Lavandula vera DC
Oil of Lemon	Green Peel	Citrus Limonum Risso
Oil of Lemongrass	Herb	Andropogon citratus D C
Oil of Linaloe	Wood	Elaphrium graveolens ?
Oil of Lovage	Root	Levisticum officinale Koch
Oil of Mace	Mace	Myristica officinalis L
Oil of Marjoram	Herb	Origanum majorana L
Oil of Marsh Tea	Herb	Ledum palustre
Oil of Massoy Bark	Bark	Massoia aromatica
Oil of Masterwort	Root	Imperatoria Ostruthium L

Natural Order	Principal Constituents	
Labiatae	Linalool, Acetate of Linalool, Geraniol (?).	
Aurantiaceae	Pinene, Limonene, Citral.	
Gramineae	Citral.	
?	Linalool.	
Umbelliferae	Phellandrene.	
Myristicaceae	Pinene, Myristicin	
Labiatae		
Ericaceae		
Lauraceae	Pinene, Limonene, Dipentene, Eugenol, Safrol.	
Umbelliferae		

Name of Oil	Part of Plant	Botanical Origin
Oil of Matico Leaves	Leaves	Piper angustifolium R & 1
Oil of Milfoil	Flowers	Achillea Millefolium
Oil of Mugwort	Herb	Artemisia vulgaris
Oil of Mustardseed	Seed	Sinapis nigra A
Oil of Myrrh	Gum-resin	Balsamodendron Myrrha Nees
Oil of Myrtle	Leaves	Myrtus communis L
Oil of Nutmegs	Fruit	Myristica officinalis L
Oil of Olibanum	Resin	Boswellia spec.
Oil of Onion	Bulbs	Allium cepa
Oil of Opopanax	Gum-resin	Opopanax Chironium Koc

Natural Order	Principal Constituents
Piperaceae	Matico Camphor.
Compositae	
Compositae	
Cruciferae	Allyl Mustard Oil.
Burseraceae	
Myrtaceae	Pinene, Cineol, Dipentene.
Myristicaceae	Pinene, Myristicin.
Burseraceae	Dipentene, Phellandrene.
Liliaceae	Disulphide C ₆ H ₁₂ S ₂ .
Umbelliferae	

Name of Oil	Part of Plant	Botanical Origin
Oil of Bitter Orange	Green Peels	Citrus Bigaradia Dich.
Oil of Sweet Orange	Green Peels	Citrus Aurantium
Oil of Orange Flowers	Flowers	Citrus Bigaradia Dich.
Oil of Origanum	Herb and Flowers	Origanum spec.
Oil of Origanum	Herb	Origanum vulgare L
Oil of Orris Root	Root	Iris florentina
Oil of Parsley	Seed	Apium Petroselinum L
Oil of Parsnep	Fruit	Pastinaca sativa L
Oil of Patchouly	Leaves	Pogostemon Patchouli Pello
Oil of Penny Royal	Leaves	Pulegium vulgarc

Natural Order	Principal Constituents
Aurantiaceae	Limonene.
Aurantiaceae	Limonene.
Aurantiaceae	
Labiatae	Carvacrol.
Labiatae	Carvacrol.
lridaceae	Myristic Acid.
Umbelliferac	Pinene, Apiol.
Umbelliferae	Propionate of Octyl, Butyrate of Octyl.
Labiatae	Sesquiterpene, Patchouly Camphor.
Labiatae	Pulegon.

Name of Oil	Part of Plant	Botanical Origin
Oil of Pepper	Fruit	Piper nigrum 1.
Oil of Japan Pepper	Fruit	Xanthoxyllum piperitum D C
Oil of Long Pepper	Fruit	Piper longum L
Oil of Peppermint	Leaves	Mentha piperita
Oil of Petitgrain	Leaves	Citrus Bigaradia Dich.
Oil of Pimento	Fruit	Eugenia Pimenta D&C
Oil of Pimpinella	Root	Pimpinella Saxifraga L
Oil of Pinetar (Matsu Oil)	Tar	Pinus densiflora S&Z
Oil of Pinus Pumili- onis	Leaves	Pinus pumilio
Oil of Pinus Sylvestris	Leaves	Pinus sylvestris L

Natural Order	Principal Constituents
Piperaceae	Phellandrene, Sesquiterpene.
Piperaceae	Citral.
Piperaceae	
Labiatae	Menthene, Limonene, Menthon, Menthol.
Aurantiaceae	Aurantiol (Linalool ?).
Myrtaceae	Sesquiterpene, Eugenol.
Umbelliferae	
Abietineae	
Abietineae	Pinene, Sylvestrene, Dipentene, Acetate of Borneol.
Abietineae	Pinene, Limonene, Acetate of Borneol.

Name of Oil	Part of Plant	Botanical Origin
Oil of Black Poplar	Buds	Populus nigra L
Oil of Rosemary, French	Herb and Flowers	Rosmarinus officinalis L
Oil of Rosemary, Italian	Herb	Rosmarinus officinalis L
Oil of Roses, German	Flowers	Rosa moschata
Oil of Roses, Turkish	Flowers	Rosa damascena
Oil of Rue	Herb	Ruta graveoleus
Oil of Sage	Leaves	Salvia officinalis L
Oil of Sandal Wood, African	Wood	?
Oil of Sandal Wood, Australian	Wood	Santalum Preissii
Oil of Sandal Wood, East India	Wood	Santalum album L

Natural Order	Principal Constituents
Salicaceae	Diterpene.
Labiatae	Pinene, Cineol, Borneol, Camphor.
Labiatae	Pinene, Cineol, Borneol, Camphor.
Rosaceae	Rhodinol, Paraffins.
Rosaceac	Rhodinol, Paraffins.
Rutaceae	Methyl-Nonyl-Ketone.
Labiatae	Pinene, Cineol Thujon.
;	

Santalaceae

Namé of Oil	Part of Plant	Botanical Origin
Oil of Sandal Wood, Swan River	Wood	9
Oil of Sandal Wood, West India	Wood	?
Oil of Sassafras	Wood	Sassafras officinalis Nees
Oil of Savin	Herb	Juniperus Sabina L
Oil of Silver Fir	Leaves	Pinus picca L
Oil of Snakeroot	Root	Aristolochia Serpentaria L
Oil of Snakeroot Canada	Root	Asarum canadensc
Oil of Spearmint	Leaves	Mentha crispa
Oil of Spicewood	Wood	Laurus Benzoiu
Oil of Spike	Herb	Lavandula spica DC

Natural Order	Principal Constituents
Santalaceae	
5	
Lauraceae	Safrol, Eugenol.
Cupressineae	Pinene, Sesquiterpene.
Abietineae	Pinene, Limonene, Acetate of Borneol.
Aristolochiaceae	
Aristolochiaceae	
Labiatae	Carvol.
Lauraceae	
Labiatae	Pinene, Cincol.

Name of Oil	Part of Plant	Botanical Origin
Oil of Spikenard	Root	Valeriana celtica L
Oil of Staraniseed	Fruit	Illicium anisatum
Oil of Staraniseed, Japan	Fruit	Illicium religiosum
Oil of Storax	Gum-resin	Liquidambar orientalis Miller
Oil of Sumbul Root	Root	Ferula Sumbul Hooker
Oil of Summer Savory	Leaves	Satureja hortensis L
Oil of Tangerine	Green Peels	Citrus Bigaradia sinensis
Oil of Tansy	Herb	Tanacetum vulgare L
Oil of Tarragon	Herb	Artemisia Dracunculus L
Oil of Thuja	Leaves	Thuja occidentalis

Natural Order	Principal Constituents
Valerianaceae	
Magnoliaceae	Anethol, Safrol, Ethylic Ether of Hydro- quinone, Phellandrene.
Magnoliaceae	Safrol.
Hamamalideae	Styrol.
Umbelliferae	
Labiatae	Cymol, Carvacrol.
Aurantiaceae	Citral, Limonene.
Compositae	Tanaceton (Thujon).
Compositae.	Anethol, Methyl Chavicol.
Cupressineae	Thujon, Fenchon.

Name of Oil	Part of Plant	Botanical Origin
Oil of Turmeric	Root	Curcuma longa L
Oil of Turpentine	Wood	Pinus spec.
Oil of Thyme	Herb	Thymus vulgaris L
Oil of Valeriana	Root	Valeriana officinalis L
Oil of Valeriana, Jap. (Kesso Oil)	Root	Valeriana officinalis L var. angustifolia
Oil of Vetiver	Root	Andropogon muricatus Retzius
Oil of Walnut Leaves	Leaves	Juglans regia
Oil of Water Hem- lock	Fruit	Phellandrium aquaticum I
Oil of Wild Cherry Bark	Bark	Prunus Virginiana
Oil of Wild Thyme	Herb	Thymus Serpyllum L

Natural Order	Principal Constituents
Zingiberaceae	Phellandrene.
Abietineae	Pinene.
Labiatae	Cymol, Thymol, Carvacrol.
Valerianaceae	Pinene, Borneol, Formiate of Borneol, Acetate of Borneol, Isovalerianate of Borneol.
Valerianaceae	Pinene, Dipentene, Terpineol, Borneol, Acetate of Borneol, Isovalerianate of Borneol, Acetate of Kessyle.
Gramineae	tate of icessyle.
Juglandaceae	
Umbelliferae	Pinene, Dipentene, Phellandrene.
Amygdalaceae	Benzaldehyde, Prussic Acid.
Labiatae	Thymol, Carvacrol.

Name of Oil	Part of Plant	Botanical Origin
Oil of Wintergreen	Leaves	Gaultheria procumbens
Oil of Wormseed	Flower buds	Artemisia maritima L
Oil of Wormwood	Leaves	Artemisia Absinthium L
Oil of Ylang Ylang	Flowers	Anona odoratissima
Oil of Zedoary Root	Root	Curcuma Zedoaria Roscoe
	1	

Natural Order	Principal Constituents
Ericaceae	Methyl salicylate.
Compositae	Cineol, Dipentene.
Compositae	Thujon.
Anonaceae	
Zingiberaceae	Cineol.

II. Organic and

Name	Chemical Composition
Alantic Acid	$C_{15}H_{22}O_3$
Anethol	$CH_3O.C_6H_4.C_3H_5$
Anisic Acid	CH ₃ O.C ₆ H ₄ .COOH
Anisic Aldehyde	CH ₃ O.C ₆ H ₄ .COH
Apiol (Parsley Camphor)	$C_{12}H_{1\downarrow}O_{\downarrow}$
Asaron	$(CH_3O)_3 \cdot C_6H_2 \cdot C_3H_5$
Benzoate of Methyl	C ₆ H ₅ .COOCH ₃
Benzoic Aldehyde	C ₆ H ₅ COH

Synthetic Products.

Produced from:

Oil of Elecampane.

Oil of Aniseed, Oil of Star Aniseed, Oil of Fennelseed, Oil of Tarragon.

Products of oxydation of Anethol.

Oil of Parsley.

Oil of Asarum.

Oil of Bitter Almond, Oil of Cherry Laurel, Oil of Wild Cherry.

Name	Chemical Composition
Bergaptene	$C_{12}H_8O_4$
Camphene	Terpene C ₁₀ H ₁₆
Carvacrol	Phenol C ₁₀ H ₁₄ O
Carvol	Ketone C ₁₀ H ₁₄ O
Cinnamein	Cinnamic Ether of Benzyl $C_6H_5.C_2H_2.COOC_6H_5CH_2$
Cinnamic Acid	C ₆ H ₅ .CH.CH.COOH
Cinnamic Alcohol	C ₆ H ₅ C H . C H ₂ ∪ H
Cinnamic Aldehyde	C ₆ H ₅ .CH.CH.COH
Cinnamic Ether of Methyl	C ₆ H ₅ .CH.CH.COOCH ₃
Citral	Aldehyde C ₁₀ H ₁₀ Ō

()il of Bergamot.

Borneol.

Oil of Origanum, Oil of Thyme, Oil of Summer Savory.

Oil of Carawayseed, Oil of Dillseed.

Balsam Peru.

Product of oxydation of Cinnamic Aldehyde.

Oil of Cinnamon.

Oil of Lemon, Oil of Lemongrass, Oil of Japan Pepper, Oil of Eucalyptus (from *E. citriodora*).

Name	Chemical Composition
Cumarin	Lactone C_6H_4 $\sim CH:CH$
Cuminic Acid	C ₃ H ₇ . C ₆ H ₄ . COOH
Cuminol (Cumin Aldehyde)	Aldehyde C_3H_7 . C_6H_4 . CHO
Cymol	Hydrocarbon C ₃ H ₇ .C ₆ H ₄ .CH ₃
Dextro-Borneol	Alcohol C ₁₀ H ₁₇ O H
Leavo-Borneol	C10 H17 O
Eucalyptol (Cineol)	C ₁₀ H ₁₈ ()
Eugenol	Phenol (1) C_3H_5 C_6H_3 (3) OCH_3 (4) OH
Fenchon	Ketone C ₁₀ H ₁₆ O
Furfurol	Aldehyde C ₅ H ₄ O ₂

Tonka Beans, Asperula odorata, Melilotus etc.

Product of oxydation of Cumin Aldehyde.

Oil of Cumin.

Oil of Ajowan, Oil of Cumin, Oil of Thyme.

Oil of Valeriana, Oil of Rosemary.

- Oil of Cajeput, Oil of Camphor, Oil of Eucalyptus, Oil of Galangal, Oil of Laurel, Oil of Myrtle, Oil of Rosemary, Oil of Sage, Oil of Spike, Oil of Cinnamon, Oil of Wormseed, Oil of Zedoary Root.
- Oil of Bay-Leaves, Oil of Camphor, Oil of Massoy Bark, Oil of Cloves, Oil of Pimento, Oil of Sassafras, Oil of Cinnamon Ceylon, Oil of Canella Bark, Oil of Cinnamon Leaves.

Oil of Fennelseed, Oil of Thuja.

By distillation of bran with Sulphuric Acid.

Name	Chemical Composition
Geraniol	Alcohol C ₁₀ H ₁₈ O
Helenin	Lactone $C_{r_5}H_{20}O_2$
Heliotropin (Piperonal)	Aldehyde $CH_2 < {\atop O} > C_6H_3 \cdot COH$
Isobutyl Mustard Oil	C_4H_9NCS
Limonene	Terpene C ₁₀ H ₁₆
Menthene	Hydrocarbon C10 H18
Menthol	Alcohol C ₁₀ H ₂₀ O
Menthone	Ketone C ₁₀ H ₁₈ O
Patchouly-Camphor	C ₁₅ H ₂₆ O
Safrol	$CH_2 \stackrel{O}{<} C_6H_3 \cdot C_3H_5$

Oil of Citronella, Oil of Geranium.

Oil of Elecampane.

Product of oxydation of Piperinic Acid.

Oil of Bergamot, Oil of Lemon, Oil of Dillseed, Oil of Silver Fir, Oil of Erigeron, Oil of Pinus Sylvestris, Oil of Carawayseed, Oil of Kuro-moji, Oil of Pinus Pumilionis, Oil of Massoy Bark, Oil of Peppermint, Oil of Orange.

Menthol.

Oil of Peppermint.

Oil of Peppermint. By oxydation of Menthol.

Oil of Patchouly.

Oil of Camphor, Massoy Bark, Sassafras, Staraniseed.

Name	Chemical Composition
Salicylate of Methyl	OH.C ₆ H ₄ .COOCH ₃
Salicylic Aldehyde	ОН. C ₆ H ₄ . СОН
Stearoptene (from Oil of Roses)	Paraffin C _n H _{2n} +2
Terpineol	Alcohol C ₁₀ H ₁₈ O
Terpineol, cryst.	C ₁₀ H ₁₈ O
Thymochinon	$C_3 H_7 . C_6 H_2 (C H_3) O_2$
Thymol	Phenol C ₁₀ H ₁₄ O

Oil of Wintergreen.

Oil of Spiraea.

Oil of Roses.

Oil of Valeriana Japan, Oil of Camphor, Oil of Cardamoms, Oil of Kuro-moji.

Oil of Cajeput.

Product of Oxydation of Thymol.

Oil of Ajowan, Oil of Horsemint, Oil of Thyme.



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